OHIO DEPARTMENT OF NATURAL RESOURCES DIVISION OF MINERAL RESOURCES MANAGEMENT

ATTACHMENT 20 (SEDIMENTATION POND/IMPOUNDMENT DATA SHEET)

appli	cant	's Name The Ohio Valley Coal Company Pond # F
Туре	of ir	mpoundment <u>Excavated Sediment Pond</u> Permanent, Temporary X
1.	POND	DRAINAGE AREA DATA:
	a) b) c) d) e) f)	Drainage area 3.88 acres Disturbed area 1.29 acres Ave. land slope 25.3 % Hydrologic soil group C Hydraulic length 250 ft. Cover/condition of the undisturbed area Woods/Vegetated = 2.59 Acres
2.	DESIG	GN STORM CRITERIA: Method:
		Design method(s) including computer programs: Design Storm Discharge, Design Storm Hydrograph, Flood Routing Haestad Methods HEC-1
		2) SCS curve number
	b)	Rainfall Amount/Peak Flow Rainfall, in. Peak flow, cfs.
		1) 10 year, 24 hour = 3.78 9.61 2) 25 year, 6 hour = (if permanent) 4) 100 year, 6 hour = (if 20/20 size)
3.	POND a)	SIZE: Dimensions:
		1) Dam height 10 ft. 4) Dam downstream slope 50 % 2) Dam width 30 ft. 5) Dam upstream slope 33 % 3) Dam length 200 ft. 6) Core length ft. ft.
	b)	Sediment storage volume 1.14 ac. ft. is provided below the 1156 foot elevation.
	c)	Stage/Area Data: Elevation Surface Area Volume ft. ac. Volume ac.ft.
		1) Bottom of pond 1150 0.06 0.00 2) Streambed at upstream toe: N/A N/A N/A 3) Principal spillway inlet: N/A N/A N/A 4) Emergency spillway crest: N/A N/A N/A 5) Top of embankment: 1160 0.31 1.90 $D = 0.360 - 15$

4.	PRINCIPAL SPILLWAY: N/A
	a) Pipe length ft. b) Pipe diameter in. c) Pipe slope % d) Riser diameter in. e) Riser height ft. f) Type of pipe g) Number of anti-seep collars; spacing along pipe ft. h) Does the design include a trash rack? Yes, No. i) Does the design include an anti-vortex device? Yes, No.
5.	EMERGENCY SPILLWAY/EXIT CHANNEL: N/A
	a) Base width ft. b) Design flow depth ft. c) Exit slope % d) Exist velocity fps e) Channel lining f) Side slopes g) Freeboard ft. h) Entrance slope % i) Length of level control section ft.
6.	The minimum static factor of safety for this impoundment isN/A
	Provide as an addendum to this attachment a detailed plan view or 2 gross
7. • 9.	Provide as an addendum to this attachment a detailed plan view or 2 cross sections of the impoundment. 8. COMMENTS: Water level to be controlled by pumping water from sediment pond back into slurry pool of the main embankment.
9.	sections of the impoundment. 8. COMMENTS: Water level to be controlled by pumping water from sediment
9.	8. COMMENTS: Water level to be controlled by pumping water from sediment pond back into slurry pool of the main embankment. Is this an MSHA structure? Yes,X_ No. If "yes," provide the